

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for multi-environment testing automation, the system comprising:

~~a Test Store in which a at least one Test is stored in a computer-readable medium including annotations comprising information about each Test in the Test Store;~~

a processor that:

receives at least one Test Information, each Test Information associated with a respective Test and a respective Test Document describing the Test and comprising a plurality of parallel Tasks, each Task comprising at least one Step, each Step describing an action to perform in a specific environment and comprising an Executor action, a Verifier action, and an Expected Results;

for each Step performs an associated Executor action to generate associated Execution Results;

performs an associated Verifier action to compare the associated Execution Results to an associated Expected Results; and

generates at least one respective Test Document for each Test comprising a description of the an associated environment for each the Test and information regarding the a verification of results for said the Test, said Test Document further describing at least one multi-threaded Test maintained in a common format that can be concurrently executed by different groups in at least two diverse testing environments the associated Test Information

and a Test Driver that interprets said Test Document to execute at least one Test described by said Test Document and verifies whether said Test has passed or failed.

2. (Currently Amended) The system of claim 1 wherein ~~said one~~ each Test that is described by said a respective Test Document can be executed in an HTTP environment and one additional environment.
3. (Currently Amended) The system of claim 1 wherein ~~said one~~ each Test that is described by said a respective Test Document can be executed in a SQL environment and one additional environment.
4. (Currently Amended) The system of claim 1 further comprising at least one Execution Variable corresponding to said each Test and comprising data that does not comprise data in said Test.
5. (Original) The system of claim 1 further comprising a Test Editor for authoring a Test Document.
6. (Currently Amended) The system of claim 1 further comprising a Test Transform ~~that would~~ for transforming an existing Test in a first Test Document into a new Test type in a second Test Document.
7. (Currently Amended) A system for executing multi-threaded Tests, said Tests comprising at least one Task where each of said at least one Task comprises at least one Step, said system comprising:
a processor, wherein the processor:
maintains a plurality of said Tests ~~maintained~~ in a common format, wherein each of the Tests comprises a plurality of Tasks, wherein each Task further comprises a plurality of Steps, each step comprising an Executor action, a Verifier action and one or more Expected Results;
for each Step, utilizes an associated Executor action to generate Execution Results; and

for each step utilizes an associated Verifier action to compare the Execution Results to associated Expected Results to determine whether the step passes or fails a Test

an Executor subsystem that concurrently executes at least one Step and generates at least one Execution Result in at least one of a plurality of diverse testing environments; and a Verifier for comparing at least one Execution Result to at least one Expected Result.

8. (Currently Amended) The system of claim 7, wherein each Test further comprising comprises a Filter for filtering at least one Execution Result generated by using said at least one Executor action before said at least one Execution Result is compared by using said at least one Verifier action to said at least one Expected Result.

9. (Currently Amended) A method of testing automation in a plurality of environments, said method comprising:

grouping a plurality of multi-threaded Tests maintained in a common format into a Test Store, said Test Store comprising data pertaining to Tests it contains, each said Test associated with a respective Test Information comprising a plurality of parallel Tasks, wherein each Task further comprises at least one Step and wherein each Step describes an action to take in a specific environment and is comprised of an Executor action, a Verifier action and at least one Expected Result;

being able to be concurrently executed in at least two diverse testing environments;

describing a nature of at least one Test in at least one Test Document, wherein said nature comprises information regarding a means for verifying a result derived from said Test and a description of what constitutes a correct results for said Test;

interpreting at least one Test Document to execute at least one Test; and

verifying whether said at least one Test passes or fails.

10. (Currently Amended) The method of claim 9 further comprising ~~the utilization of at least one~~ utilizing at least one Execution Variable corresponding to said Test and comprising data that does not comprise data in said Test.
11. (Original) The method of claim 9 further comprising transforming a Test in a first Test Document into a new Test for a second Test Document.
12. (Original) The method of claim 9 wherein said Test Store is implemented as an abstraction that allows a plurality of Test Documents to be stored in at least two different formats.
13. (Original) The method of claim 9 wherein said Test Store further comprises functionality for browsing, saving, and retrieving a Test Document.
14. (Currently Amended) The method of claim 9 wherein an organization of Tests in a Test Store ~~Test~~ is automatically updated based on at least one criteria from among the following plurality of criteria: the manner in which one or more Tests are executed; the frequency in which one or more Tests are executed[[:]] and the most common environment in which one or more Tests are executed.
15. (Currently Amended) A computer-readable storage medium comprising computer-readable instructions for:
- a Test Store in which a plurality of Tests are stored and maintained in a common format including annotations comprising information about each Test in the Test Store;
 - at least one Test Document associated with each Test comprising a description of ~~the~~ an environment for each Test and information regarding ~~the~~ a verification of results for ~~said each~~ said the associated Test Document describing at least one multi-threaded Test that can be concurrently executed by different groups in at least two diverse testing environments; and

a Test Driver that interprets said each Test Document to execute at least one associated Test described by said Test Document and verifies whether said the associated Test has passed or failed

receiving at least one Test Information, each Test Information associated with a respective Test and comprising a plurality of parallel Tasks, wherein each Task further comprises at least one Step and wherein each Step describes an action to take in a specific environment and comprises an associated Executor action, an associated Verifier action and at least one associated Expected Result;

using each Executor action for each respective step to generate associated Execution Results;

using each Verifier action for each respective test to compare the associated Execution results with associated Expected Results.

16. (Currently Amended) The computer-readable instructions of claim 15 further comprising instructions for executing ~~said one~~ each Test that is described by ~~said an associated~~ Test Document in an HTTP environment and one additional environment.

17. (Currently Amended) The computer-readable instructions of claim 15 further comprising instructions for executing ~~said one~~ each Test that is described by ~~said an associated~~ Test Document in a SQL environment and one additional environment.

18. (Currently Amended) The computer-readable instructions of claim 15 further comprising instructions whereby at least one Execution Variable corresponding to ~~said~~ each Test and comprising data that does not comprise data in said Test is utilized in executing ~~said~~ each Test.

19. (Original) The computer-readable instructions of claim 15 further comprising instructions for a Test Editor to author a Test Document.

20. (Currently Amended) The computer-readable instructions of claim 15 further comprising instructions for a Test Transform for transforming an existing Test into a first Test Document into a new Test type in a second Test Document.

21. (Canceled)

22. (Currently Amended) The computer-readable instructions of claim 21 further comprising instructions for ~~a Filter~~ for filtering at least one Execution Result generated by ~~said each~~ Executor ~~before said at least one Execution Result is compared by said Verifier to said at least one Expected Result.~~

23. (Currently Amended) The computer-readable instructions of claim 15 further comprising instructions for:

~~grouping at least one Test into a Test Store, said Test Store comprising data pertaining to Tests it contains, said Test being able to be executed in at least two diverse testing environments; describing a nature of at least one Test in at least one Test Document, wherein said nature comprises information regarding a means for verifying a result derived from said Test and a description of what constitutes a correct results for said Test;~~
interpreting at least one Test Documents to execute at least one Test
verifying whether said at least one Test passes or fails.

24. (Canceled)

25. (Original) The computer-readable instructions of claim 23 further comprising instructions for transforming a Test in a first Test Document into a new Test for a second Test Document.

26. (Original) The computer-readable instructions of claim 23 further comprising instructions for implementing said Test Store as an abstraction that allows a plurality of Test Documents to be stored in at least two different formats.
27. (Original) The computer-readable instructions of claim 23 further comprising instructions for browsing, saving, and retrieving a Test Document.
28. (Original) The computer-readable instructions of claim 23 further comprising instructions for automatically updating an organizational structure for a plurality of Tests in a Test Document based on at least one criteria from among the following plurality of criteria: the manner in which one or more Tests are executed; the frequency in which one or more Tests are executed; and the most common environment in which one or more Tests are executed.
29. (Currently Amended) A method comprising computer-readable instructions for testing in a plurality of diverse testing environments, said method comprising:
- providing a Test Store in which a plurality of Tests are stored and maintained in a common format including annotations comprising information about each Test in the Test Store;
 - grouping at least one multi-threaded Test into the Test Store, said at least one multi-threaded Test being able to be concurrently executed in at least two diverse testing environments each said Test associated with a respective Test Information comprising a plurality of parallel Tasks, wherein each Task further comprises at least one Step and wherein each Step describes an action to take in a specific environment and comprises an Executor action, a Verifier action and at least one Expected Result;
 - providing at least one Test Document comprising a description of the environment for each Test and information regarding the verification of results for that Test, said Test Document further describing at least one multi-threaded Test that can be concurrently executed by different groups in at least two diverse testing environments;

describing a nature of at least one Test in said at least one Test Document, wherein said nature comprises information regarding a means for verifying a result derived from said Test and a description of what constitutes a correct result for said Test; and

providing a Test Driver that interprets said Test Document to execute at least one Test described by said Test Document and verifies whether said Test has passed or failed.